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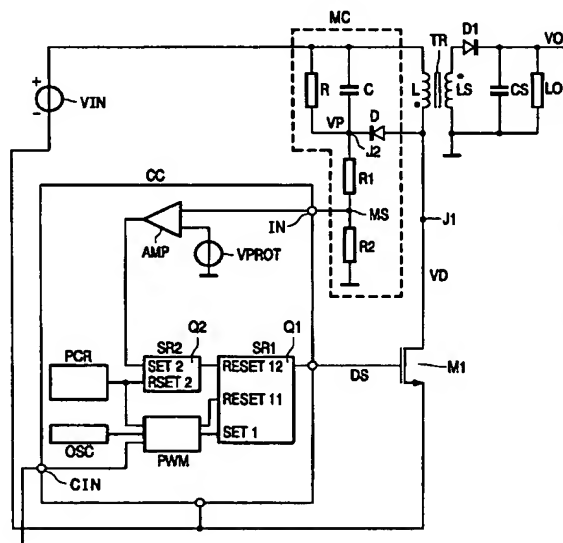
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(54) Title: **POWER CONVERTER**



(57) Abstract: A power converter comprises an inductor (L) and a main switch (M1) having a main current path, the inductor (L) and the main current path are arranged in series to receive a DC-input voltage (VIN). A control circuit (CC) controls on-periods (Ton) and/or off-periods (Toff) of the main switch (M1) to stabilize an output voltage (VO) supplied to a load (LO). The control circuit (CC) further has an input (IN) to receive a measuring signal (MS) to protect the main switch (M1) against situations of overvoltage. A measuring circuit (MC) is coupled to a junction (J1) of the inductor (L) and the main current path to obtain the measuring signal (MS) which is indicative of a voltage across the main current path. Preferably, the measuring circuit (MC) comprises a peak-clamp.



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